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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/502,051	07/30/2004	Takashi Kadowaki	256653US0PCT	2505	
22850 7590 11/02/2007 OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET			EXAM	EXAMINER	
			STOICA, ELLY GERALD		
ALEXANDRL	A, VA 22314		ART UNIT	PAPER NUMBER	
			1647		
•				·	
•			NOTIFICATION DATE	DELIVERY MODE	
			11/02/2007	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

	Application No.	Applicant(s)				
	10/502,051	KADOWAKI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Elly-Gerald Stoica	1647				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet w	vith the correspondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was realized to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUN 36(a). In no event, however, may a vill apply and will expire SIX (6) MO , cause the application to become A	ICATION. The reply be timely filed ONTHS from the mailing date of this contained by the con	•			
Status						
1) Responsive to communication(s) filed on 23 Au	<u> .gust 2007</u> .					
. '=	This action is FINAL . 2b)⊠ This action is non-final.					
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closed in accordance with the practice under E	x parte Quayle, 1935 C.	D. 11, 453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-6,9,10 and 13-16</u> is/are pending in the application.						
4a) Of the above claim(s) <u>2 and 4</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) <u>1,3,5,6,9,10 and 13-16</u> is/are rejected	6)⊠ Claim(s) <u>1,3,5,6,9,10 and 13-16</u> is/are rejected.					
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers	·	·				
9) The specification is objected to by the Examine	r					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119		•				
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)☐ Some * c)☐ None of: 1.☐ Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
·						
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date		n(s)/Mail Date Informal Patent Application				

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DETAILED ACTION

Status of the claims

1. Applicant's amendment filed 08/23/2007 cancelled claims 7, 8, 11, and 12. Claims 1-6, 9-10, and 13-16 are pending. Claims 1, 3, 5, 6, 9, and 10 be amended have been canceled. Claims 13-16 have been added. Claims 2 and 4 are withdrawn. Claims 1, 3, 5, 6, 9, 10, and 13-16 are subject to examination.

Claim Rejections - 35 USC § 112

- 2. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 13-16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The claims contain the word "encompasses". It is not clear if the word is used to mean "consists" or "comprises". Therefore the meets and bounds of the claims could not be determined.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

⁽b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claim 1,3 remain rejected and the amended claims 5, 6, 9, 10, and 13-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Scherer et al. (U.S. Pat. 5,869,330) for the reasons of record.

At page 6, applicants argue that Scherer et al. do not disclose the c-terminal globular domain of adiponectin. This argument has been fully considered but is not deemed persuasive.

Scherer et al. teach a method of modulating the insulin production by administering Acrp30 to an individual (p 5 lines 17-21). Moreover, the authors teach the use of portions of the Acrp30 that has the same function or activity of the whole protein (p 8 line 30- p 9 line15). The Acrp30 protein taught by Scherer et al has the Seq. ld No: 7, which, according to the sequence search result available in SCORE, is IDENTICAL to SEQ. ID. NO: 2 (i.e., adiponectin) of the current application. Because the biochemical and biological properties of a protein are intrinsic to its structure, the adiponectin was clearly anticipated as well as its uses. Moreover, in the Figure 1 and in the example 1, Scherer et al. clearly indicate the C-terminal globular domain starting from amino acid residue 111.

Consequently the claims are anticipated by Scherer et al.

6. Claims 1, 3, 5, 6, 9, 10, and 13-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Fruebis et al. (U.S. Pat. 6,566,332).

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Fruebis et al. teach a polypeptide, OBG3, with a sequence (Seq. ld. No.: 6) 100% identical with the polypeptide of the Sequence ld No: 2 of the instant Application:

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RESULT 9
US-09-776-976-6
; Sequence 6, Application US/09776976
; Patent No. 6566332
; GENERAL INFORMATION:
  APPLICANT: Fruebis, Joachim
  APPLICANT: Erickson, Mary Ruth
  APPLICANT: Yen, Frances
             Bihain, Bernard
  APPLICANT:
  TITLE OF INVENTION: OBG3 Globular Head and Uses Thereof for Decreasing
Body Mass
  FILE REFERENCE: 76.US4.REG
  CURRENT APPLICATION NUMBER: US/09/776,976
  CURRENT FILING DATE: 2001-02-05
  PRIOR APPLICATION NUMBER: US 09/758,055
  PRIOR FILING DATE: 2001-01-10
  PRIOR APPLICATION NUMBER: US 60/176,228
  PRIOR FILING DATE: 2000-01-14
  PRIOR APPLICATION NUMBER: US 60/198,087
  PRIOR FILING DATE: 2000-04-13
  PRIOR APPLICATION NUMBER: US 60/299,881
  PRIOR FILING DATE: 2000-09-01
  NUMBER OF SEQ ID NOS: 7
  SOFTWARE: Patent.pm
 SEQ ID NO 6
   LENGTH: 244
   TYPE: PRT
   ORGANISM: Homo sapiens
US-09-776-976-6
 Query Match
                      100.0%; Score 1336; DB 2; Length 244;
                      100.0%; Pred. No. 5.4e-128;
 Best Local Similarity
 Matches 244; Conservative
                            0; Mismatches
                                           0; Indels
                                                       0;
                                                                 0;
Qу
          1 MLLLGAVLLLLALPGHDQETTTQGPGVLLPLPKGACTGWMAGIPGHPGHNGAPGRDGRDG 60
            Dh
          1 MLLLGAVLLLLALPGHDQETTTQGPGVLLPLPKGACTGWMAGIPGHPGHNGAPGRDGRDG 60
         61 TPGEKGEKGDPGLIGPKGDIGETGVPGAEGPRGFPGIQGRKGEPGEGAYVYRSAFSVGLE120
Qу
            61 TPGEKGEKGDPGLIGPKGDIGETGVPGAEGPRGFPGIQGRKGEPGEGAYVYRSAFSVGLE120
Db
Qу
        121 TYVTIPNMPIRFTKIFYNQQNHYDGSTGKFHCNIPGLYYFAYHITVYMKDVKVSLFKKDK180
            Db
        121 TYVTIPNMPIRFTKIFYNQQNHYDGSTGKFHCNIPGLYYFAYHITVYMKDVKVSLFKKDK180
        181 AMLFTYDQYQENNVDQASGSVLLHLEVGDQVWLQVYGEGERNGLYADNDNDSTFTGFLLY240
Qу
            181 AMLFTYDQYQENNVDQASGSVLLHLEVGDQVWLQVYGEGERNGLYADNDNDSTFTGFLLY240
Db
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Qy 241 HDTN 244

Db 241 HDTN 244

Also taught is the carboxy terminus globular part, gOBG3 and gOBG3 polypeptide fragments are selected from amino acids 101 to 244, 108 to 244, or 132 to 244 of Seq. ld. No:6. The gOBG3 fragment is mammalian, preferably human or mouse, but most preferably human (col. 22., lines 24-50). The compounds are effective for reducing body mass and useful for treating obesity-related diseases and disorders. The obesity-related diseases or disorders envisioned to be treated by the methods of the invention include, but are not limited to, hyperlipidemia, atherosclerosis, diabetes, and hypertension (col. 1, lines 20-28). Also taught are pharmaceutical or physiologically acceptable compositions and medicaments for use in accordance with the present invention may be formulated in a conventional manner using one or more physiologically acceptable carriers comprising excipients and auxiliaries. Proper formulation is dependent upon the route of administration chosen (col. 51, lines 32-37). Therefore claims 1, 3, 5, 6, 9, 10, and 13-16 are anticipated by Fruebis et al.

Double Patenting

7. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir.

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1985); In re Van Ornum, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); In re Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and In re Thorington, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

8. Claims 1, 3, 5, 6, 9, 10, and 13-16 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 10, 14-18 of copending Application No. 10/514715. Although the conflicting claims are not identical, they are not patentably distinct from each other because both sets of claims have adiponectin as the active ingredient of the compositions and/or methods claimed.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Conclusion

9. No claims are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elly-Gerald Stoica whose telephone number is (571) 272-9941. The examiner can normally be reached on 8:30-17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Manjunath N. Rao can be reached on (571) 272-0939. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PRIMARY EXAMINER